Fast recovery diode RF051VA2S

Applications

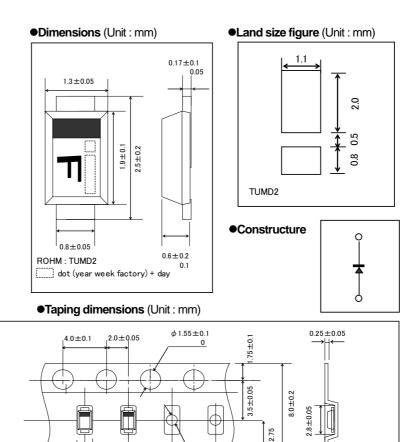
High speed switching

Features

- 1) Small mold type
- (TUMD2)
- 2) Ultra high switching speed
- 3) High reliability.

Constructure

Silicon epitaxial planar



 ϕ 1.0 \pm 0.2

0

 0.9 ± 0.08

●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit			
Reverse voltage (repetitive)	V _{RM}	200	V			
Reverse voltage (DC)	V _R	200	V			
Average rectified forward current	lo	0.5	А			
Forward current surge peak (60Hz·1cyc)	I _{FSM}	5	А			
Junction temperature	Tj	150	°C			
Storage temperature	Tstg	-55 to +150	°C			

 1.43 ± 0.05

•Electrical characteristic (Ta=25°C)

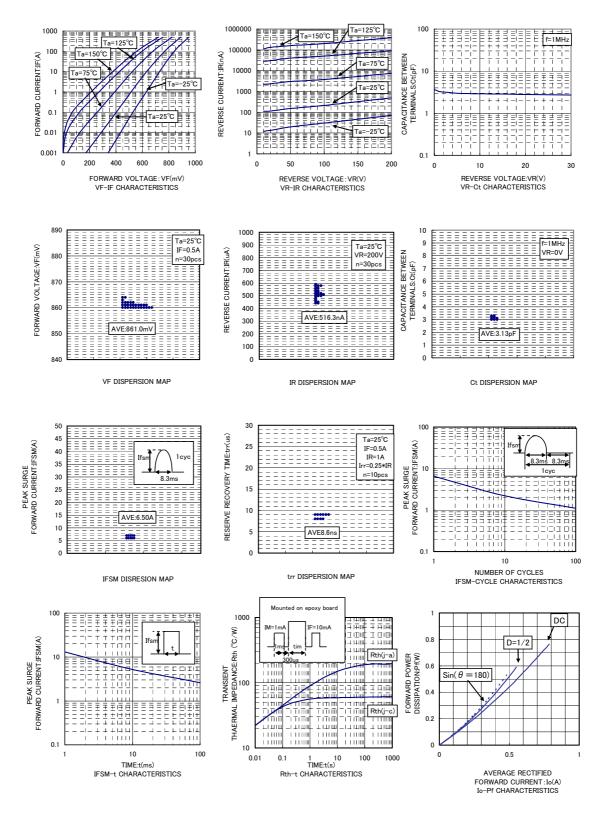
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.98	V	I _F =0.5A
Reverse current	I _R	-	-	10	μA	V _R =200V
Reverse recovery time	trr	-	-	25	ns	I _F =0.5A,I _R =1A,Irr=0.25*IR

4.0±0.1

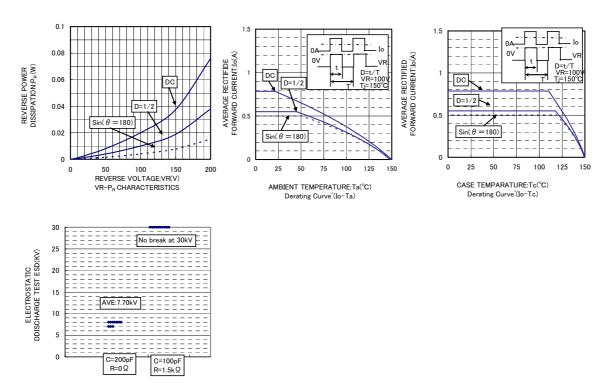


Diodes

Electrical characteristic curves



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ESD DISPERSION MAP

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